



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Shirley M. Edwards
REGISTERED CIVIL ENGINEER
No. C36386
July 1, 1999
PLANS APPROVAL DATE
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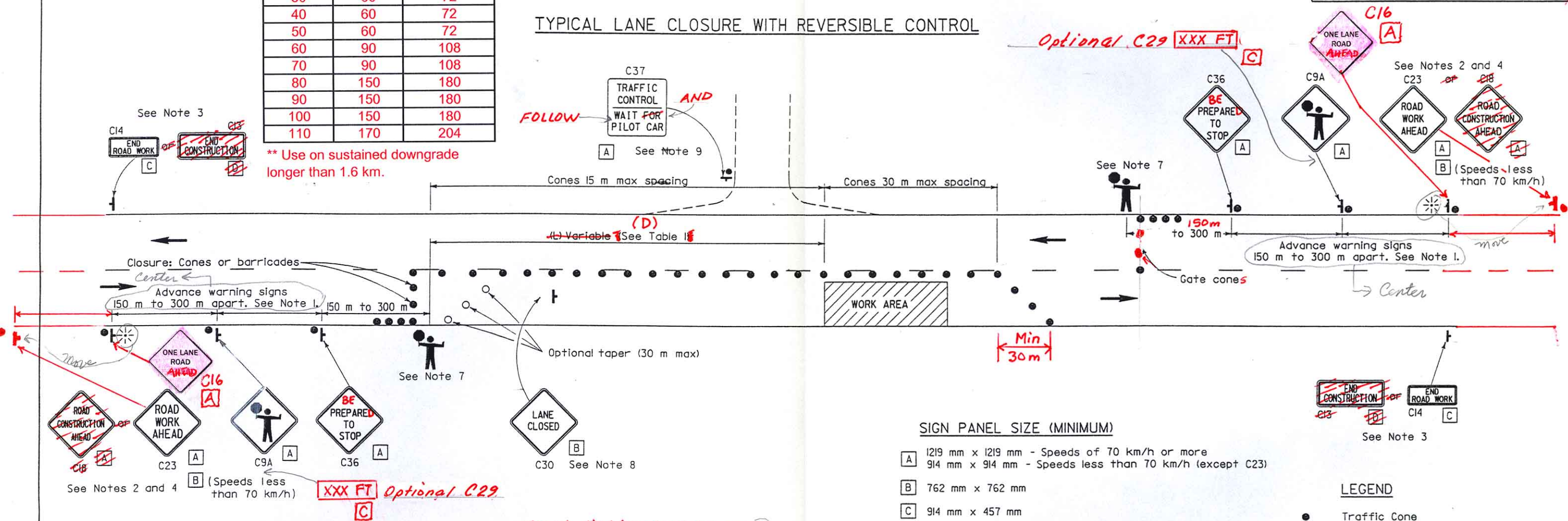
REGISTERED PROFESSIONAL ENGINEER
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No. C36386
Exp. 6-30-00
CIVIL
STATE OF CALIFORNIA

TABLE 1 -- Distance of Flagger Station in Advance of the Work Area

Approach Speed	Minimum Distance (D)	Downgrade Minimum Distance (D)*
(km/h)	(m)	(m)
30	60	72
40	60	72
50	60	72
60	90	108
70	90	108
80	150	180
90	150	180
100	150	180
110	170	204

** Use on sustained downgrade longer than 1.6 km.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



NOTES

- Where approach speeds are low, signs may be placed at 90 m spacing, and in urban areas, closer.
- All advance warning sign installations shall be equipped with flags for daytime closures. Flashing beacons shall be placed at the locations indicated during night lane closures.
- A C15 "END CONSTRUCTION" or C14 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the C16 or C23 sign would follow within 600 m of a stationary C16, C23, or C11 "STATE HIGHWAY CONSTRUCTION NEXT MILES", use a C9A sign for the first advance warning sign.
- All cones used for night lane closures shall be fitted with reflective sleeves as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used in lieu of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. ~~Nighttime flagger station shall be illuminated as provided in the current edition of the "Manual of Traffic Controls" published by the State of California, Department of Transportation.~~ Place a minimum of four cones at 15 m intervals in advance of flagger station as shown.
- Place C30 "LANE CLOSED" sign at 150 to 300 m intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37 "TRAFFIC CONTROL-WAIT FOR PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.

Flood lights shall be used to illuminate the flagger station at night.

AND FOLLOW

SIGN PANEL SIZE (MINIMUM)

- A 1219 mm x 1219 mm - Speeds of 70 km/h or more
914 mm x 914 mm - Speeds less than 70 km/h (except C23)
- B 762 mm x 762 mm
- C 914 mm x 457 mm
- D 1219 mm x 457 mm

TABLE 1

Approach Speed (km/h)	* (L) (m)±
0-50	60
50-70	90
over 70	150

* Increase by 20 percent on sustained downgrades steeper than 3 percent and longer than 1.6 km.

Replace Table 1

LEGEND

- Traffic Cone
- Traffic Cone (optional taper)
- † Portable Sign
- ← Direction of Travel
- ☼ Portable Flashing Beacon
- ☼ Flagger

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
TWO LANE CONVENTIONAL
HIGHWAYS

NO SCALE